

This indicator can be accompanied by a sounding device and alarm device to the control system 40 for a monitor to investigate the event and direct appropriate action. In the style embodiment of the stanchion 10, space may be allocated for advertizing.

Figure 3 shows the layout for a possible system. Multiple stanchions 10 are located in a parking lot outside a business 42. Inside the building a control system 40 is mounted to monitor activity in the parking system. Individual spaces are identified for handicapped parking 70 and for preferred or premium parking 50, denoted by an “e” or other symbol. Features of the premium parking may include but are not limited to curbing and walkway space 80 between rows of vehicles, curbing between vehicles 82 (ref. Figure 4) or covering materials 60. The covering materials 60 may extend from the spaces to the building entrance and may include the handicapped spaces as a courtesy. Covered area is shown with a dashed line in the figure. Note that all spaces in the lot are not designated for premium parking nor do they all have the same features or dimensions. These features are at the discretion of the lot operator.

Figure 4 shows a detailed view of the individual space with curbing between vehicles 82 more clearly identified.

Claims: I claim:

1. (Currently amended) A detection system comprising a sensor and identification means for detecting and identifying a vehicle occupying a designated parking space and a control means for signaling the authorized or unauthorized occupancy

of the space and assessing a fee to the account of authorized vehicle owners and activating an alarm for unauthorized vehicles.

2. (Original) The system of claim 1 wherein an electronic transmitting device is used to detect the presence of a vehicle in a designated parking space and identify said vehicle regarding its authorized occupation of the space.
3. (Original) The electronic transmitting device of claim 2 wherein the device will identify the parking space.
4. (Currently amended) The electronic transmitting device of claim 2 wherein a vehicle unauthorized to occupy the space will cause a signal to be generated, alerting the vehicle driver and the parking space owner or authority of the unauthorized occupation of the space.
5. (Currently amended) The electronic transmitting device of claim 2 wherein the device is connected to a control system capable of assessing the monetary balance of the vehicle account identified in the occupied space.
6. (Original) The system of claim 1 wherein an identifying device is fixedly mounted or carried within a vehicle to identify the vehicle as authorized to occupy the space.
7. (Currently amended) The identifying device of claim 6 wherein a means will identify the vehicle occupying the space from the system authorized user list.

8. (Currently amended) The identifying device of claim 6 has a unique signature or code number identifier. One device will be used in each vehicle authorized to occupy a space in the parking lot. Multiple devices are used, each with a unique signature or code number identifier, to equip all authorized vehicles.
9. (Currently amended) The identifying device of claim 6 wherein the same device can be used to identify the vehicle for use of toll roads.
10. (Original) The identifying device of claim 6 wherein a charge can be assessed to a subscriber account.
11. (Currently amended) The control system of claim 1 wherein the monetary balance of an account can be signaled when the balance becomes zero or insufficient to pay the current parking fee being assessed. .
12. (Currently amended) The system of claim 1 wherein the time period of occupancy of the space by the vehicle is sensed.
13. (Original) The system of claim 12 wherein a minimum time period can be set to avoid false detection of occupancy by an authorized vehicle.
14. (Original) The system of claim 1 wherein a program can be input to assign a cost for occupancy of parking spaces.
15. (Currently amended) The program of claim 14 wherein a fee structure can be input by the parking space owner or authority.